Météo France

User guide

OpenAM and OpenDJ deployment

Version   Le 18/03/2016

Identifiant : –

Fichier original : **13814-02_MeteoFrance_Scripts-OpenDJ-OpenAM_Deployment-guide_v2.1.odt**

Historique des évolutions et visas

Visas

	RÉDACTION	**APPROBATION**	**VALIDATION**
NOM	**Guy GODFROY**	**Guilhem VALENTIN**	**Guilhem VALENTIN**
FONCTION	Intégrateur système	Directeur de projets	Directeur de projets
DATE	08/01/2016	11/01/2016	11/01/2016
VISA			

Historique des évolutions

VERSION	**DATE**	**ACTEUR CONTRIBUTEUR**	**OBJET DE L'ÉVOLUTION**
0.1	08/01/2015	Guy Godfroy	Creation.
1.0	08/01/2015	Guilhem Valentin	Validation
2.0	02/02/2015	Guy Godfroy	Added OpenWIS configuration part
2.1	10/03/2015	Slim Cadoux	Hotfix
2.2	18/03/2015	Slim Cadoux	Modification for Security folder

Statut du document :   51 – Validé

Diffusion du document

Mention de diffusion :   Groupe Linagora

NOM	**ORGANISME**	**POUR**	**MÉDIA**
Tous les collaborateurs du projet	LINAGORA	Information	Courriel, LinShare
Tous les collaborateurs du projet	Météo France	Action	Courriel, LinShare

Liste des contributeurs

- Guy GODFROY

- Guilhem VALENTIN

- Slim CADOUX

Table des matières

1 Introduction

This document explains how to correctly setup OpenDJ and OpenAM for them to communicate each other, and a basic OpenWIS configuration, and then how to configure them in the Open-WIS point of view.

This procedure was inspired by the original OpenAM Migration manual. Everything has been automated with scripts, so graphical configuration is no longer required.

2 Communication between OpenAM and OpenDJ

The scripts of this part are in `deploy.tar.gz`.

2.1 Disclaimer

While configuring your openwis stack, you can often be stuck for many reasons. To avoid most of the bugs you need to check the following things:

- ensure your hostname is properly set in both **/etc/hosts** and **/etc/sysconfig/network**

- ensure the hostname is set with the LAN ip and not only localhost

- use the fqdn format for your hostname where is required everytime

- this host name must be resolvable by the internal dns of your LAN and / or your own server (this is also requied if you need to browse openam webUI).

- **never** declare any "localhost" in any *.properties file. **Always use their fully qualified domain name**

- ensure your firewall rules allows every connections and port you need

On a side note, if you have to reinstall the stack.

- Ensure every java processes are terminated.

- Shutdown apache-tomcat

- Use the shell command rpm -e OpenDJ* and rpm -e OpenAM*

- then erase the remaining files manually in the folder of openwis

- erase the folder openam inside apache-tomcat

2.2   Pre-requisites

Install dependencies if required:

```
yum install java-1.7.0-openjdk
yum install java-1.7.0-openjdk-devel
```

Ensure Tomcat is installed somewhere.

```
cd /home/openwis
tar zxvf apache-tomcat-7.0.68.tar.gz
```

Install OpenDJ and OpenAM:

```
sudo rpm -i OpenDJ-2.6.0-1.el6.x86_64.rpm
sudo rpm -i OpenAM-12.0.0-1.el6.x86_64.rpm
```

2.3   Configuration

You have to specify your domain names and choose some passwords in the files **setup_opendj.properties** and **SSOConfiguratorTools/setup_openam.properties**.

For OpenDJ you have to modify the following fields :

```
hostname
rootUserPassword
baseDN
```

For OpenAM you have to modify the following fields :

```
SERVER_URL
COOKIE_DOMAIN
ADMIN_PWD
DIRECTORY_SERVER        #must refer to OpenAM host
ROOT_SUFFIX
USERSTORE_HOST          #must refer to OpenDJ host
USERSTORE_SUFFIX
USERSTORE_PASSWD        #must match OpenDJ password
```

You must also configure the deployment script by editing file **deploy_config** :

```
OPENAM_PATH=/home/openwis/middleware
OPENDJ_PATH=/home/openwis/OpenDJ-2.6.0

OPENAM_URL=http://hacops.lan.par.lng:8080/openam
#REMOTE_URL=http://bouyab.lan.par.lng:8080/openam
IDPDSC_PREFIX=http://hacops.lan.par.lng:8080/idpdiscovery
TOMCAT=/home/openwis/apache-tomcat-7.0.68
```

2.4   Run the script

Then run the deployment script to deploy and configure OpenDJ and OpenAM:

```
cd deploy-scripts
./deploy.sh
```

You now have a fully configured OpenAM / OpenDJ stack

If you need to do a server maintenance for instance, always shutdown Tomcat first, then OpenDJ.

To restart your stack properly, start OpenDJ, wait for it to be running properly, then start Tomcat.

3   OpenWIS Service Provider

The scripts of this part are included in **deploy.tar.gz.**

3.1   service-prov

You fisrt must generate your fedlet on your other portals before doint this step

This script will import the remote service providers and match the attributes.

```
# security/02-service-prov.sh
```